

Listing of Claims

1-26. (Cancelled)

1 27. (Previously Presented) An apparatus for predicting the location
2 of a mobile subscriber unit in a wireless communications network of base
3 transceiver stations, comprising:
4 means for generating predicted levels of reception of signals of base
5 transceiver stations, for a plurality of locations in the network;
6 a plurality of mobile subscriber units, each mobile subscriber unit
7 comprising means for measuring reception levels of signals of base
8 transceiver stations detected by the mobile subscriber unit, where at least one
9 mobile subscriber unit further comprises a position location receiver, and
10 means, responsive to the position location receiver and the means for
11 measuring reception levels, for providing combined position location and
12 reception levels to a base transceiver station; and
13 means, responsive to the combined position location and reception
14 levels received from a mobile subscriber unit, for updating the predicted
15 levels of reception.

1 28. (Previously Presented) An apparatus as set forth in claim 27,
2 where the means for generating predicted levels of reception comprises a
3 network planning tool.

29. (Cancelled)

1 30. (Previously Presented) An apparatus as set forth in claim 27,
2 further comprising a database comprising the predicted levels of reception at
3 a plurality of locations.

1 31. (Previously Presented) An apparatus as set forth in claim 27,
2 where the mobile subscriber units comprise cellular telephones.

1 32. (Previously Presented) An apparatus as set forth in claim 27,
2 where the position location receiver comprises a GPS receiver.

1 33. (Previously Presented) An apparatus as set forth in claim 27,
2 further comprising means, responsive to reception levels not associated with a
3 position location, received from a mobile subscriber unit, for identifying a
4 predicted location corresponding to the received reception levels.

1 34. (Previously Presented) An apparatus as set forth in claim 33,
2 where the base transceiver station comprises means, responsive to a
3 predicted location, for providing location-specific information to a mobile
4 subscriber unit.

1 35. (Previously Presented) An apparatus as set forth in claim 34,
2 where the location-specific information comprises commercial or
3 safety information.

1 36. (Previously Presented) A method of predicting the location of a
2 mobile-subscriber unit in a wireless communications network of base
3 transceiver stations, comprising:
4 generating predicted levels of reception of signals of base transceiver
5 stations, for a plurality of locations in the network;
6 measuring reception levels of signals of base transceiver stations
7 detected at a known location; and
8 in response to measuring reception levels at a known location, updating
9 the predicted levels of reception.

1 37. (Previously Presented) A method as set forth in claim 36,
2 further comprising
3 receiving reception levels not associated with a position location; and
4 identifying a predicted location corresponding to the received
5 reception levels.

1 38. (Previously Presented) A method as set forth in claim 37, where,
2 in response to a predicted location, providing location-specific information to a
3 mobile subscriber unit.

1 39. (Previously Presented) A method as set forth in claim 38, where
2 providing location-specific information to a mobile subscriber unit comprises
3 providing commercial or safety information.